

# Department of Energy Announces \$56 Million for Research on Mathematical Multifaceted Integrated Capability Centers

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Maxey, Martin	SEA-CROGS: Scalable, Efficient and Accelerated Causal Reasoning Operators, Graphs and Spikes for Earth and Embedded Systems	Brown University	Providence	RI	02916-2912
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Parks, Michael	SEA-CROGS: Scalable, Efficient and Accelerated Causal Reasoning Operators, Graphs and Spikes for Earth and Embedded Systems	Sandia National Laboratories	Albuquerque	NM	87123-0100
Tartakovsky, Daniel	SEA-CROGS: Scalable, Efficient and Accelerated Causal Reasoning Operators, Graphs and Spikes for Earth and Embedded Systems	Stanford University	Stanford	CA	94305-8445
Ghattas, Omar	M2dt: Multifaceted Mathematics for Predictive Digital Twins	The University of Texas, Austin	Austin	TX	78759-5316
Alexander, Francis	M2dt: Multifaceted Mathematics for Predictive Digital Twins	Brookhaven National Laboratory	Upton	NY	11973-5000
Leyffer, Sven	M2dt: Multifaceted Mathematics for Predictive Digital Twins	Argonne National Laboratory	Lemont	IL	60439-4803
Marzouk, Youssef	M2dt: Multifaceted Mathematics for Predictive Digital Twins	Massachusetts Institute of Technology	Cambridge	MA	02139-4307
Tezaur, Irina	M2dt: Multifaceted Mathematics for Predictive Digital Twins	Sandia National Laboratories	Livermore	CA	94550-0969
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Hauck, Cory	CHaRMNET: Center for Hierarchical and Robust Modeling of Non-Equilibrium Transport	Oak Ridge National Laboratory	Oak Ridge	TN	37831-6118
Hittinger, Jeffery	CHaRMNET: Center for Hierarchical and Robust Modeling of Non-Equilibrium Transport	Lawrence Livermore National Laboratory	Livermore	CA	94550-0808
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